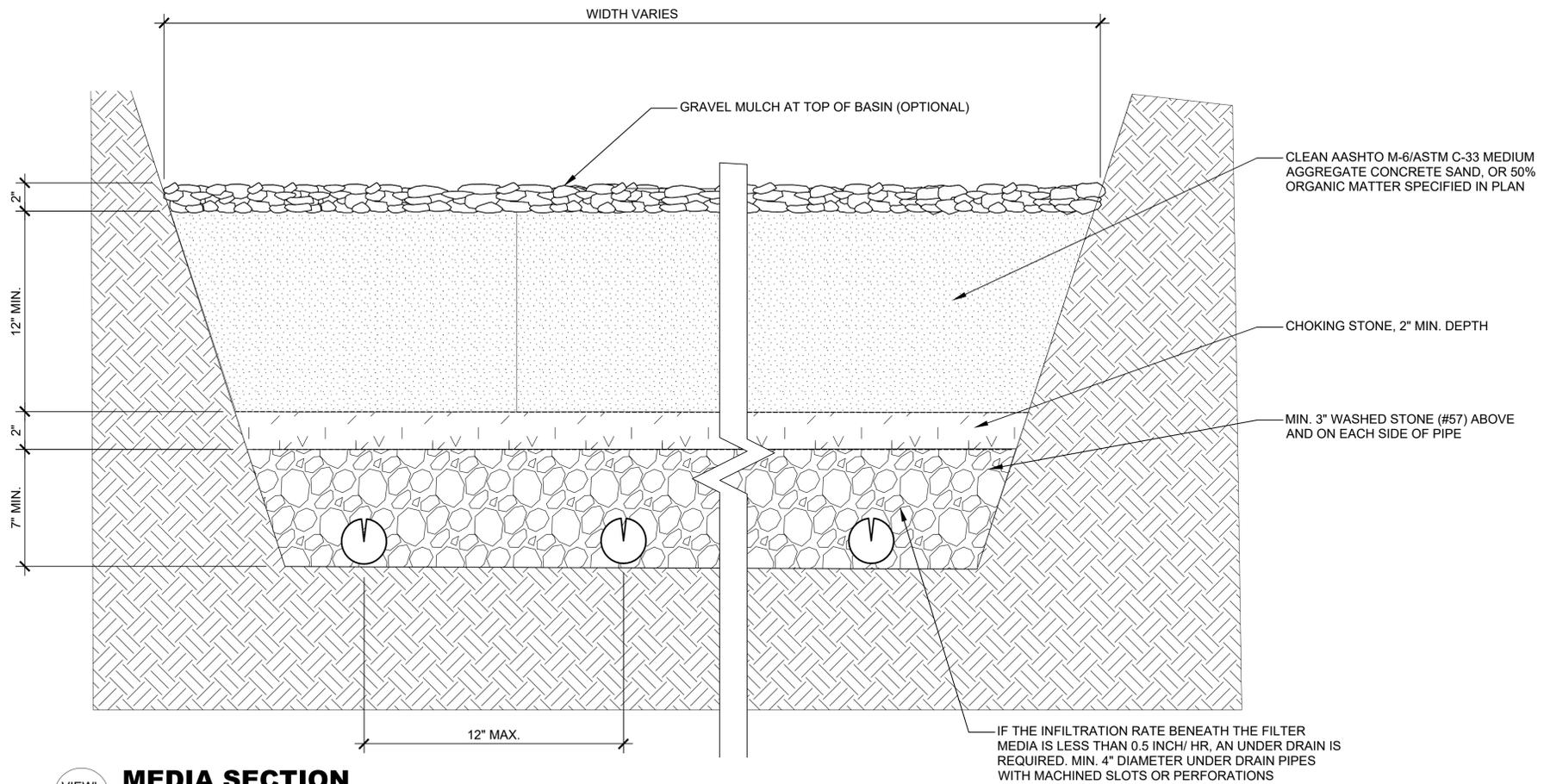


**GENERAL NOTES:**

- IF THIS SHEET IS NOT 24"x36" USE GRAPHIC SCALE ACCORDINGLY.



**MEDIA SECTION**  
VIEWWL  
C-XXXX  
0 1" 2" 4" 6" 8"  
3"=1'-0"

**NOTES FOR DESIGNER:**

(DO NOT INCLUDE ON CONSTRUCTION DRAWINGS)

**DESIGN LIMITATIONS:**

- DESIGNED TO TREAT CONTRIBUTING DRAINAGE AREAS THAT ARE LESS THAN 5 ACRES.

**SITING CRITERIA:**

- TYPICALLY PLACED ALONG THE PERIMETER DRAINAGE AREAS.
- DO NOT INSTALL WHERE EROSION VELOCITIES AND HIGH SEDIMENT LOADS ARE A CONCERN.
- DO NOT INSTALL WHERE CONSTRAINTS WILL NOT ALLOW FOR REQUIRED MEDIA THICKNESS OR PONDING DEPTH.
- FILTER MEDIA FUNCTIONALLY IS PROPORTIONAL TO DEPTH OF TUFF (ROCK). FOUR FEET MIN. DEPTH REQUIRED.

**DESIGN CRITERIA:**

- MEDIA SHALL BE SPECIFIED IN PLANS.
- THE TOP OF THE SAND FILTER SHOULD BE LEVEL.
- INSTALL IN LINEAR TRENCH, CHANNELS, OR IN OPEN BASINS OR PONDS.
- DESIGN SHALL INCLUDE AN EMERGENCY OUTLET CONSISTING OF A RISER PIPE OR STABILIZED SPILLWAY
- FOREBAY OR SEDIMENT CATCHMENT FEATURE REQUIRED FOR USE WITH ALL MEDIA FILTERS TO PREVENT CLOGGING AND TO DISSIPATE FLOWS.
- AT MIN. PROVIDE ONE (1) UNDER DRAIN PER 1000 S.F. OF SURFACE AREA.
- SPACING UNDER DRAIN PIPES SHALL BE NO GREATER THAN 1' ON CENTER.
- INSTALL UNDER DRAINS WITH MIN. SLOPE 1% TO OUTLET END.
- AT A MIN. INCLUDE CLEAN OUT PIPES AT EACH END OF THE UNDER DRAIN.
- MEDIA DEPTH SHALL BE A MIN. OF 12" OVER UNDER DRAIN PIPES.
- AVOID FILTER FABRIC BETWEEN MEDIA LAYERS AND AROUND UNDER DRAIN PIPES.

**CONSTRUCTION CRITERIA:**

- IDENTIFY APPROPRIATE MATERIALS AND HOLD POINTS FOR INSPECTION AND APPROVAL DURING CONSTRUCTION.
- PROVIDE ACCESS FOR MAINTENANCE.

NO	DATE	CLASS REV	DC	DESCRIPTION	DWN	DSGN	CHKD	SUB	APP
0				INITIAL ISSUE FOR [DCF-XYZ]					

**ENGINEERING STANDARDS**

**CIVIL**  
**LOW IMPACT DEVELOPMENT**  
**FILTER MEDIA**

DRAWN	E. ATENCIO
DESIGN	T. LEMKE
CHECKED	S. RAEL
DATE	02-10-20

TA-XX BLDG XXXX

SUBMITTED DISCIPLINE POC: JOHN O'BRIEN APPROVED FOR RELEASE STANDARDS MANAGER: TOBIN ORUCH

**Los Alamos NATIONAL LABORATORY** PO Box 1663 Los Alamos, New Mexico 87545

**1** OF **16**

D.C.: UNCLASSIFIED REVIEWER: DONALD YARDMAN DATE: PROJECT ID DRAWING NO: **CHAPTER 3** **ST-G20GEN-1.12** REV **0**

00% REVIEW  
NOT FOR CONSTRUCTION